

BULLETIN

OF THE

NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

VOLUME VI • NUMBER 11

NOVEMBER 1902

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1902

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BULLETIN

OF THE

NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

VI.

NOVEMBER, 1902.

No. 11.

REPORT FOR OCTOBER.

REFERENCE DEPARTMENT.

During the month of October there were received at the Library, by purchase, 19 volumes and 355 pamphlets; by gift, 1,155 volumes, 2,024 pamphlets, and 32 ps; and by exchange, 105 volumes and 112 pamphlets.

There were catalogued 4,468 volumes and 4,690 pamphlets, for which purpose 157 cards and 3,685 slips for the copying machine were written, and 18,572 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	ASTOR.
. of readers and visitors.....	4,960	9,782
. of readers.....	2,745	9,782
. of readers, desk applicants.....	1,398	8,499
. of volumes consulted by desk applicants.	5,727	28,349
Daily average of readers.....	102	362
Number of visitors to Print Exhibit, etc.....	2,672	

CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Hemstreet's "When New York Was Young," Munson's "Art of Phonography," and James's "Talks with Teachers on Psychology;" (adult fiction) Wister's "The Virginian," Wilson's "The Speckled Bird," and Chambers's "Maid-at-Arms;" (juvenile fiction) Hegan's "Mrs. Wiggs of the Cabbage Patch," Alcott's "Little Women," Clemens's "Tom Sawyer."

REPORT FOR OCTOBER
CIRCULATION STATISTICS.

BRANCHES.	CIRCULATION.		NEW REGISTRA- TIONS.	READERS IN READING ROOM.		VOLUMES ACCES- SIONED.
	HOME USE.	TOTAL.		MINORS.	TOTAL.	
Bond Street.....	9,649	10,161	191	834	3,368	152
Ottendorfer.....	16,972	17,752	461	1,507	4,088	101
George Bruce.....	12,559	14,769	251	1,428	2,210	74
Jackson Square.....	10,910	12,128	244	489	2,165	88
Harlem.....	11,225	12,523	292	1,227	2,207	83
Muhlenberg.....	9,686	12,259	231	1,185	2,573	104
Bloomington.....	14,496	15,926	321	1,331	2,762	179
Riverside.....	4,849	6,104	117	1,630	2,652	30
Yorkville.....	15,053	17,110	311	1,724	2,057	135
Thirty-fourth Street..	4,857	6,392	102	938	1,535	66
Chatham Square.....	11,110	12,075	222	735	965	107
St. Agnes.....	12,001	13,556	246	1,051	2,676	312
Washington Heights..	9,132	10,425	204	2,501	5,410	107
Travelling.....	21,382	21,382				463
	163,911	182,562	3,193	16,580	34,668	2,001

The more important gifts of the month were: From S. P. Avery, 80 prints, chiefly modern French and German lithographs; from the Oriental Public Library at Bankipur, a copy of its catalogue in Hindustani; from Mrs. R. G. Beardslee, an addition to her gift of educational publications, 171 volumes, 34 pamphlets, and 2 maps; from Mrs. B. F. Stevens and members of the Whittingham family, through Henry J. Brown, 65 volumes and 9 pamphlets, including some scarce early publications, and works of the Chiswick Press, founded by the Whittingham family; from several departments of the Canadian Government, 50 volumes and 2 pamphlets, all public documents; from Mrs. Henry Draper, 71 volumes and 30 pamphlets, including literary annuals and 6 numbers of the Almanach des Dames; from the Colonial Secretary of the Falkland Islands, 7 numbers of the Government Gazette and the report of the Census of 1901; from Worthington C. and Paul L. Ford, 11 pamphlets, 13 broadsides, and 6 manuscripts and 1 land grant; from the Viceroy of India, 1 volume on the Trigonometrical Survey of India, 1901; from the Adjutant General of India, 7 pamphlets; from General Horatio C. King, 4 volumes and 11 pamphlets, chiefly his own writings; from Thomas W. Lawson, a copy of his History of the America's Cup; from George A. Lucas, 23 prints; from Johann Meyer, Kiel, 7 volumes and 15 pamphlets, chiefly his own works; from the Publishers' Weekly, 98 volumes and 52 pamphlets; from John Robinson, 6 literary annuals; from Charles Scribner's Sons, 135 prints, nearly all Japan proofs; through the Colonial Secretary of the Straits Settlements, 13 numbers of the Pahang Government Gazette and 1 of the Perak Gazette; from Thomas G. Sugden, 34 prints and 16 wood blocks in various stages; and from S. A. Yefremov, Kiev, "Vik," a Ukrainian anthology, 1798-1898, in 3 volumes.

the exhibition relating to Victor Hugo at the Lenox was replaced by a collection of American wood engravings. Many of the Hugo drawings, etc., were put in the Astor stands in place of the plates from Molinier. The new picture bulletins in the circulation branches were as follows: OTTENER, Grapes, Harvest, Rapid transit subway, Insects, Mascagni, Émil Zola, books; BRUCE, The labor question, Naval heroes, Sea stories; JACKSON, Indoor games and amusements; HARLEM, Autumn leaves, Columbus, illustrations from some good books for adults, Labor, capital and coal, Charles Dickens, George Eliot, Alfred Tennyson; MUHLENBERG, New books; BLOOMING-DAVE, Bard of Avon, Masters of Music, Legal novels, Cotton; CHATHAM SQUARE, Arctic discoveries, Among the miners in the coal strike region, Edmund Spenser Stedman, George W. Cable, San Francisco, Animals, Election day; MAGNES, Covers of popular juvenile books, Covers of popular adult fiction; KINGS-INGTON HEIGHTS, Hallowe'en.

LIST OF WORKS ON ELECTRICITY IN THE NEW YORK PUBLIC LIBRARY.

Part I—General Works and Production.

** All works here noted are located in the Astor branch. The list does not include titles in magnetism, animal or physiological electricity, electrotherapeutics, electrohorticulture, electric traction, telegraphy, or telephony. Index entries for periodical articles include only important recent papers. As will be seen from the following synoptical table the titles are grouped into the five broad divisions of General Works, Production, Transmission, Applications, Electro-optics and magneto-optics.

I. GENERAL WORKS.

BIBLIOGRAPHY. HISTORY.	PERIODICALS. DICTIONARIES.	SYSTEMATIC WORKS.
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II. PRODUCTION.

STATIC ELECTRICITY. GENERAL WORKS. ELECTRIC MACHINES. CONDENSERS. CAPACITY. CHARGE. DISCHARGE. BRUSH DISCHARGE. DISCHARGE IN GASES. DISCHARGE IN VACUA. ELECTRICITY OF GASES. DISPERSION. THERMOELECTRICITY.	VOLTAIC ELECTRICITY. BATTERIES—GENERAL WORKS. BATTERIES—INDIVIDUAL TYPES. STORAGE BATTERIES—GENERAL. STORAGE BATTERIES—INDIVIDUAL TYPES. ELECTRODYNAMICS AND ELECTROMAGNETISM. GENERAL WORKS. ELECTROMAGNETS. INDUCTION COIL. INDUCTANCE, DIELECTRICS. DYNAMOS, GENERATORS, MOTORS.	GENERAL WORKS. ARMATURE. BRUSH HOLDER. BRUSHES. COMMUTATOR. DESIGNING. TESTING. (ALTERNATING CURRENT). — TESTING. — PARALLEL AND COMPOUND. (CONTINUOUS CURRENT). (DOUBLE CURRENT). (POLYPHASE CURRENT).
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III. TRANSMISSION.

GENERAL WORKS. CIRCUITS. CONDUCTION. CURRENTS. GENERAL WORKS. INTERRUPTERS. PHOTOGRAPHS. POTENTIAL. RESISTANCE. TRANSFORMER. (ALTERNATING). (CONTINUOUS). (CONVECTION). (EARTH).	(FOUCAULT). (HIGH POTENTIAL). (POLYPHASE). (VAGRANT). ELECTRONS. INSULATION. LEAKAGE. MEASUREMENT. — INSTRUMENTS. POWER PLANTS. GENERAL WORKS. ACCOUNTS. COST. DESIGN.	GAS ENGINES FOR. HISTORY. STANDARDIZATION. STATISTICS. RESONANCE. TESTING. THREE PHASE SYSTEM. WAVES. GENERAL. VELOCITY. (HERTZIAN). WIRING. GENERAL. (UNDERGROUND).
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IV. APPLICATIONS.

HISTORY. GENERAL WORKS. ACCIDENTS. IN AGRICULTURE. IN THE ARMY. ELECTROCHEMISTRY. PERIODICALS. HISTORY. GENERAL. EDUCATION. ESSAYS. LABORATORIES. ELECTROLYSIS. BIBLIOGRAPHY. SYSTEMATIC WORKS. ESSAYS. EARTH CURRENTS.	INSTRUMENTS. IONS. ELECTROMETALLURGY. ELECTROPLATING. ELECTROTYPING. EXHIBITIONS. INSTRUMENTS. LIGHTING. HISTORY. GENERAL WORKS. ASSOCIATIONS, COMPANIES, ETC. COST AND PRICE. IN COUNTRY HOUSES. FITTINGS. JURISPRUDENCE. ON SHIPS. IN WAR.	REGIONAL, BY COUNTRIES. (ARC). HISTORY. ELECTRIC ARC. GENERAL WORKS. PHOTOMETRY. VARIOUS SYSTEMS. (INCANDESCENT). HISTORY. GENERAL. LAMPS. PHOTOMETRY. VARIOUS SYSTEMS. PATENTS. REGISTERS. SWITCHES AND SWITCHBOARDS. TABLES.
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V. ELECTRO- AND MAGNETO-OPTICS.

ELECTRO-OPTICS.	MAGNETO-OPTICS.	ZEEMAN EFFECT.
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GENERAL WORKS.

BIBLIOGRAPHY.

ark (Latimer). List of a selection of works
g to electricity and magnetism exhibited by
rk at the Exposition internationale d'élec-
Paris, 1881. 10 pp. 8°.

Franklin Institute of the State of Pennsylvania.
Catalogue of the Memorial Library of the
National Electrical Exhibition . . . *Philadel-*
1885. pm. 8°.

Johnston's classified catalogue of electrical
New York: W. J. Johnston Co., 1897.
24°.

Leiner ([O.]) Leiner's elektrotechnischer
og. Die Litteratur der Elektrotechnik, Elek-
t, Elektrochemie, des Magnetismus, der Tele-
ie [sic], Telephonie . . . der Jahre 1884 bis
.. *Leipzig: O. Leiner, 1899.* 102 pp.
8°.

Wien (G.) Die Weltliteratur der Elektrizität
des Magnetismus von 1860-1883, mit beson-
Berücksichtigung der Elektro-Technik. *Wien,*
12°.

tro-technische Bibliothek, Band 20.)

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work compiled from [various] technical journals
magazines during 1895. *New York: Van*
and Co., 1896. 8°. xiii, (2) 143 pp.

Ronalds (Sir Francis). Catalogue of books
papers relating to electricity, magnetism, the
ic telegraph, &c.; including the Ronalds library;
biographical memoir; edited by A. J. Frost.
of telegr. engineers.) *London, 1880.* 8°.

van Delaunay (C.) Table chronologique
ouvrages relatifs à l'Electricité. (In his *Manuel*
Electricité. *Paris, 1809.* pp. 237-270.)

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tur. Schlagwortkatalog der Bücher und Zeit-
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nliesslich der hauptsächlichsten ausländischen
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12°.

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ourse of lectures on natural philosophy . . .
on, 1807. 4°. v. 2, pp. 414-36.)

GENERAL HISTORY.

brecht (G.) Geschichte der Elektrizität . . .
bild. *Wien, 1885.* 12°.

tro-technische Bibliothek, Band 28.)

etz (Wilhelm von). Der Antheil der K.
rischen Akademie der Wissenschaften an der
ickelung der Electricitätslehre. . . *München,*
4°.

jamin (P.) The age of electricity; from
rsoul to telephone. *New York, 1892.* 12°.

— The intellectual rise in electricity. *New*
1895. 8°.

uston (E. J.) Electricity one hundred years
and to-day. *New York, 1894.* 16°.

s (G.) Flame, electricity and the camera:
progress from the first kindling of fire to the
ess telegraph and the photography of color.
York: Doubleday & McClure Co., 1900. xv,
p., 19 pl., 7 port. 8°.

Munro (J.) The story of electricity. 194 pp.
London: G. Newnes, 1897. 16°.
(Library (The) of useful stories.)

Netoliczka (E.) Illustrierte Geschichte der
Elektrizität . . . *Wien, 1886.* 12°.

Urbanitzky (A. von). Elektrizität und Mag-
netismus im Alterthume . . . *Wien, 1887.* 12°.
(Elektro-techn. Bibl., Bd. 34.)

HISTORY—BY PERIODS.

Including all works on the theory of electricity from the
earliest to the present date, and all other works on the subject
published before 1800.

Vollet (J. A.) Essai sur l'électricité des corps.
Paris: Frères Guerin, 1746. xx, 2 l., 228 pp.,
5 pl. 16°.

Watkins (Francis). A particular account of
the electrical experiments hitherto made publick,
with variety of new ones, and full instructions for
performing them; to which is annex'd, the descrip-
tion of a compleat electrical machine, and its appa-
ratus, with the way of using it . . . *London: the*
author, 1747. 78 pp., 3 pl. 12°.

Winckler (F. H.) Essai sur l'Electricité.
Paris, 1748. 12°.

Recueil de traités sur l'électricité, traduits de
l'allemand et de l'anglois. *Paris, 1748.* 3 pt. in
1 v. pl. 16°.

Contents: 1 pt. Winckler, F. H. Essai sur la nature, les
effets et les causes de l'élec.; trad. de l'allemand. 2. Watson,
W. Expériences et observations . . . trad. de l'ang. 3. Freke,
J. Essai sur la cause de l'élec. 2. éd., . . . trad. de l'ang.—
Martin, Benj. Essai sur l'élec., trad. de l'ang.

Franklin (B.) Opinions and conjectures, con-
cerning the properties and effects of the electrical
matter. (1749.) 16 pp. (In: *Ueber Lufttele-*
tricität. 1746-1753. Berlin, 1898. 8°.)

— New experiments and observations on elec-
tricity. Made at Philadelphia in America . . . and
communicated in several letters to Peter Collinson
. . . of London, F. R. S. [In three parts, with
appendix.] *London: D. Henry, 1754, 1760, 1762.*
1 p. l., ii, 1 l., 154 pp., 1 pl. (3 pts. in 1.) sq. 8°.

Each part published separately; pt. 1-2, of the 3. ed. Pt. 3
is of an earlier date (1754), and no edition is mentioned;
to which are added a paper by J. Canton read at the Royal
Society Dec. 6, 1753, etc.

— Expériences et observations sur l'électricité
faites à Philadelphie. . . *Paris: Durand, 1752.*
222 pp. 16°.

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l'anglois . . . par M. d'Alibard. *Paris: Durand,*
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made at Philadelphia in America, to which are
added, letters and papers on philosophical subjects
. . . and illustrated with copper plates. *London:*
D. Henry, 1769. iv, 1 l., 496 pp., 8 l, 6 pl. 8°.

Bookplate of Sir William Johnson inside cover.

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514 pp., 8 l., 7 pl. 5. ed. 8°.

Boullanger (M.) Traité de la Cause et des
Phénomènes de l'Électricité. *Paris, 1750.* 8°.

Winkler (J. H.) De Imagine motuum coeles-
tium viribus electricis efficta. *Lipsia, 1750.* 4°.

History, cont'd.

Nollet ([Jean Antoine]), *abbé*. *Recherches sur les causes particulières des phénomènes électriques*. . . . *Paris: Frères Guérin*, 1753. xxiii, 444 pp., 7 pl. 3 ed. 12°.

Beccaria (J. B.) *Lettre sur l'Électricité trad. de l'Italien*. *Paris*, 1754. 12°.

Euler (J. A.) *Disquisitio de causa physica electricitatis*. *Petropoli*, 1755. 4°.

Frisi (P.) *De existentia et motu aetheris, seu de theoria electricitatis, ignis et lucis dissertatio*. (In: Euler (J. A.) *Disquisitio de causa physica electricitatis*. *Petropoli*, 1775. 4°. pp. 29-94, 1 pl.

Beraud (L.) *Theoria electricitatis*. (In: Euler (J. A.) *Disquisitio de causa physica electricitatis*. *Petropoli*, 1755. 4°. pp. 95-128.

La Perrière (J. C. F. de). *Mécanisme de l'Électricité et del'Univers*. *Paris*, 1756. 2 v. 12°.

Lovett (Richard). Sir Isaac Newton's æther realized; or, the second part of the subtil medium proved, and electricity rendered useful: being a vindication of that essay . . . whereby the electrical fluid, and the subtil ætherial fluid of philosophers are . . . demonstrated to be one and the same thing. . . . *London: the Author* [1757]. 77 pp. 12°.

Æpinus (F. V. T.) *Tentamen theoriæ electricitatis et magnetism*. *Petropoli*, 1759. 4°.

Desideratum (The); or, electricity made plain and useful, by a lover of mankind and of common sense. vii, 9-72 pp. *London: W. Flexney*, 1760. 12°.

Parthenius (J. M.) *Electricorum Libri sex*. [In verse.] *Romæ: Salomon*, 1767. 8°.

[**Hall** (Jacobus).] *Dissertatio physico-medica inauguralis de electricitate*. [*Edinburgh*, 1771?] 1 p. l., 46 pp. 8°.

Symes (Richard). *Fire anal[ysed]*; or, the several parts of which it is [compound] clearly demonstrated by experiments. The Teutonic philosophy proved true by the same experiments, and the manner and method of making electricity medicinal and healing confirmed by a variety of cures. *Bristol: T. Cocking*, 1771. vii, 92 pp. 12°.

Beccaria (G. B.) *Elettricismo artificiale*. *Torino* [1772?] 4°.

Cavendish (H.) *The electrical researches of the Hon. H. Cavendish, written between 1771 and 1781*. Edited from the original manuscripts in the possession of the Duke of Devonshire, by J. C. Maxwell. *Cambridge: University Press*, 1879. lxxvi, 454 pp., 3 fac.-sim. 8°.

Nollet ([J. A.]) *Brieven over de elektrisiteit*. . . . Uit het Fransch vertaald, en met eenige aantekeningen, en byvoegfels, meest uit andere werken, van den zelfden schryver vermeerderd . . . Deel 1-3. *Utrecht: S. de Waal*, 1773-83. 3 v. 16°.

With bookplate of John Lincklaen, Cazenovia, N. Y.

Priestly (J.) *The history and present state of electricity, with original experiments*. 4. ed., enlarged. *London*, 1775. p. l. 4°.

— *Histoire de l'Électricité, traduite de l'Anglois*. *Paris*, 1771. 3 v. 12°.

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Gallitzin (Dimitri de), *Prince*. *Lettre sur quelques objets d'électricité adressée à l'Académie impériale des sciences de St. Petersbourg*. *La Haye: Detune*, 1778. 10 pp., 1 pl. 4°.

Marat (J. P.) *Découvertes sur le Feu, l'Électricité et la Lumière*. *Paris*, 1779. 8°.

Sigaud de la Fond (J. R.) *Précis historique et expérimental des phénomènes électriques*. *Paris*, 1781. 8°.

Jacquet [de Malzet (Louis Sebastian)]. *Proef eener elektrische natuurrkunde na't Fransch van den Abt Jacquet*. [Preface signed C. R. T. Kraijenhoff.] *Utrecht: B. Wild* [pref. 1783]. 1 p. l., xiv, 1 l., 528 pp., 2 l., 12 pl. 8°.

Adams (G.) *An essay on electricity*. *London*, 1785. 8°.

Coulomb ([C. A.]) *Vier Abhandlungen über die Elektricität und den Magnetismus* [1785-86]. Uebersetzt und hrsg. von W. König. *Leipzig: W. Engelmann*, 1890. 88 pp. 12°.

(Ostwald's Klassiker der exakten Wissenschaften, no. 13.)

Swinden (J. H. von). *Analogie de l'Électricité et du Magnétisme*. *La Haye*, 1785. 3 v. 8°.

Tressan (L. E. de la V.) *Essai sur le fluide électrique, considéré comme agent universel*. Tome 1. lxxx, 396 (2) pp. *Paris: Buisson*, 1786. 12°.

Haüy (R. J.) *Exposition raisonnée de la théorie de l'électricité et du magnétisme, d'après les principes de M. Aepinus*. . . . xxvii, (5) 238 pp., 4 pl. *Paris: Veuve Desaint*, 1787. 8°.

[**Wilckens** (H. D.)] *Beiträge zur Lehre von der Elektricität*. (In: Wilckens (H. D.) *Aufsätze math. Inhalts*. *Göttingen*, 1790. 8°. pp. 32-62.)

Mendenhall (T. C.) *A century of electricity*. *Boston*, 1892. 16°.

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Galvani (L.) *Abhandlung über die Kräfte der Electricität bei der Muskelbewegung*; hrsg. von A. J. von Oettingen. *Leipzig: W. Engelmann*, 1894. 76 pp. 12°.

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Farrar (J.) *Elements of electricity, magnetism, and electro-magnetism*. (In Venturi's *Experimental enquiries*. *London*, 1799. 4°.)

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Tietze (Giuseppe). *La Pila di Volta ed i progressi dell' elettricità*. (L'ateneo veneto. anno 22, pp. 108-132. *Venezia*, 1899.)

Child (Charles T.) *The first century of electricity*. (Electr. Rev. v. 38, pp. 32-40. *New York*, 1901.)

Hare (Robert), *M.D.* *An essay on the question, whether there be two electrical fluids, according to Du Faye, or one, according to Franklin: [also, Description of an electrical plate machine, and Description of an improved blowpipe, by alcohol]* . . . n. t. p. n. p. [18—]. 10 pp., 1 pl. 8°.

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Thomson (Elihu). Electricity during the nineteenth century. (Smithsonian Inst. Annual rept., p. 333-358. Washington, 1901.)
Printed from the New York Sun, Feb. 10, 1901.

Volta (A.) Collezione del Opere (Electrical, Meteorological, and Chemical). Firenze, 1816. 5. 8°.

Barbançois (Charles Hélon). *marquis de*. Adresse à M. Delametherie; contenant un sur le fluide électrique. [Incomplete.] Paris, 12°.

Helin (J. von). Ueber magnetismus u. Electricität. München, 1818. 4°.

Stock (John). An account of the history and present state of galvanism. London, 1818. 8°.

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Published monthly by The New York Public Library, No. 40 Lafayette Place, New York City.

Subscription One Dollar a year, single numbers Ten Cents. Subscriptions may be sent to I. Ferris Loc wood, Business Superintendent, No. 40 Lafayette Place, New York.

Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of 'y 16, 1894.